Collection no. 163
K. H. L. Key & M. S. Upton
28. x. – 28. xi. 1969

Eyre Pen., Nullar
Plain, S.E. of W.A.

28/10

17393.4 Spring Cart Gulley reserve.
Coryphistes ruricola, Goniaea australasiae,
Open mallee to 15ft, with Myoporum
Pardillana sp. 11 (j.), Apotropis vittata, Caperrala
sp. to 8ft, Cassia sp. & a phyllode acacia
sp. 6 (j.), Genus nov. 95 ochracea, Qualetta maculata,
to 3ft, Kochia pyramidata to 2ft well
Cratilopus sp. 1, Austroicetes frater, Pycnostictus
spaced, several spp. of Kochia & Bassia
seriatus, Urnisa rugosa, Phaulacridium sp. (j.)
to 10 in, occ. Zygophyllum sp., Stipa
sp. in patches. Brown fine sand with
limestone concretions, coming to
surface in eroded places. Leaf & twig
litter under mallee. Almost flat.

395.7 Turn-off to Berri to left.

405.7 Barmera.

414.9. Open mallee to 12 ft on brown
Goniaea australasiae, Tapesta cameipes,
sand, nearly flat, in places compacted
Caperrala sp. 1, Austroicetes frater, A. pusilla,
& with surface lime concretions &
Urnisa rugosa, U. guttulosa, Cratilopus sp. 1
lichen. Several spp. of Kochia &
Stipa sp. to 1ft,
Bassia to 9in, [some Zygophyllum,
some litter, some bare ground.

419.3 Overland Corner (P.O.)

436.7. Slightly undulating brown sandy
Austroicetes frater, A. arida, A. cruciata,
loam with mallee to 20ft, quite
A. pusilla, Tapesta carneipes, Urnisa rugosa,
frequent lime concretions on surface
Cratilopus sp. 1
& some more massive limestone.

Atriplex vesicaria to 2ft & spp. of Kochia & Bassia to 1ft. Stipa sp. to 18 in. Patches bare ground, a little lichen.

442.5 Taylorville

460.4. Turned off to Burra (ca. ¼ mi. from Morgan.

466.1. Turn-off to Sanson's Well.

471.4 Turn-off to Redcliffe.

473.6. Turn-off to Robertstown

480.1 Florieton

484.3 The Gums (H.S.)

488.4 Gently undulating pale brown
Caperrala sp. 6, Phanerocerus testudo, Qualetta
soil with limestone concretions
maculata, Macrolopholia sp. (j.), Austroicetes
& patches of smooth stones some 10ft
nullarborensis, A. cruciata, A. arida,
in diam. Heterodendron oleaefolium to
Cratilopus sp. 2, Pycnostictus seriatus,
10 ft in open formation, with Kochia
Caperrala sp. 1
sedifolia & Atriplex vesicaria to

2 ft, Stipa sp. & Danthonia sp. to 1 ft., some low Kochia & Bassia spp. to 6 in. Phanerocerus not associated with the larger stone patches, but with smaller & sparser stones & herbage.

512.5. Burra.

646.3 Port Augusta. Bridge over the Gulf.

653.1 El Alamein Camp.

658.6 Lincoln Park Creek.

661.5. Turned off for Tolyalla.

664.0. Camped.

29/10.

664.0 Shallow depression with red
Coryphistes ruricola, Collitera variegata,
sand. Acacia sowdenii to 15 ft well
Pycnostictus seriatus, Urnisiella rubropunctata,
spaced, with occ. Myoporum platycarpum
Pespulia sp. 9, Beplessia occ. Cassia sp.
to same, K. pyramidata & K. sedifolia
sp. 2, morabine sp. - P29.
to 30 in abundant, Bassia spp. to 6 in, sparse Stipa sp., much bare ground.

665.1 Cockatoo Creek.

691.7. Outskirts of Whyalla. (bypassed)
692.9. Turn off to ~~Mt. Young~~. left
721.6. Turn-off to right. Enter mallee
726.4. Turn-off to Iron Duke
729.1. Fence. Into wheat country
731.1. Pine Hill
732.9. Turn-off to right
738.6. Turn-off to Warrayappa H.S.
743.3. Bend right. Road in from left.
744.5. Road off to right
745.9. Road off to Poandoona to right
753.3. Road off to Mitchellville to left.
757.8. Cowell P.O.
761.9. Road off to Cleve to right
767.4. Elbow Hill (township)
772.5. Road to Carpa on right
785.3. Turn-off to Arno Bay.
794.1. Turn-off to Wharminda
800.7 Turn-off to Wharminda.
804.1. Turn-off to Port Neill
805.1. Main turn-off to Port Neill

806.9. Turn off to Yeelanna

811.7 Turned right for Yeelanna.

816.0 Turn-off to Butler Tanks.

822.8. Turn off to Ungarra to left.

827.1. Turn-off to right.

831.3. Road junction.

832.5. Mallee to 10ft well spaced, with
Genus nov. 95 ochracea, morabine sp. P28
dense understorey of numerous heathy
shrubs, incl. Leptospermum sp. to 6ft,
Melaleuca spp., ~~Th~~ Calothamnus sp.
Hakea sp., Casuarina sp. (all to 4ft)
Leguminosae, Hibbertia sp., (+ occ. patches
to 1ft.
of a cyperaceous plant) A little grass
On highest point of undulating
country. Pale brown soil with lateritic
gravel.

835.5 Road to Brooker to right.

843.1. Yeelanna. Returned on Ungarra
road. ~~8~~

844.2 Cemetery. A few heathy shrubs.
Only nymphs of Macrotona sp.

[NB. The whole area around Yeelanna

has been given over to wheat. The only original vegetation is the narrow strips of mallee + heathy shrubs along the road.] Return.

845.2 Crossed railway.

848.5 Mingana

855.5 Road junction among lakes.

856.6. Gently undulating, pale brown
morabine sp. P28
soil. Mallee to 15ft with dense ~~f~~ shrub layer of mixed microphyllous shrubs to 7ft, but others to 2ft dominant in places. Cyperaceous tussocks abundant.

858.0 Road in from right.

860.0. Turned left for Kapinnie

861.5. Kapinnie P.O.

862.2. Turned right

865.2. Cross roads.

869.2. Main road to Mt. Hope. Turned left.

870.8. Turned right.

871.3 Consolidated sand hill with

~~mallee~~ whitish soil + large exposures
Genus no. 95 ochracea, Urnisa rugosa,
of aeolian limestone. Mallee to 3ft,
Coryphistes spp. of ruricola, Azelota diversipes,
with a few microphyllous + other shrubs
Brachyexarna ^ lobipennis, morabine sp. P28
to 2ft. Scattered grass + cyperaceous
tussocks. [This is a saddle in the Mt.
Hope ridge] Return.

871.8 Back on main road. Turned right.

872.2 Gentle undulations with
Coryphistes ruricola, Cirphula jungi, Azelota
brown soil + exposures of flat
diversipes, Apotropis vittata, morabine sp. P28,
aeolian limestone. Mallee to 12ft,
Propsednura peninsularis
well spaced, now represented by
regrowth to 6ft. or partly cleared. Mixed
microphyllous shrubs from 9in to
6ft. dense, with cyperaceous tussocks
to 1ft. + sparse grass. Propsednura
on the broad-leafed ~~cypera~~ sedge alone
Lepidosperma viscidum s. lat.
(spec.). Also the same 0.2 mi. further S.

30/10.

872.4. Depart for Mt. Hope.

874.6 Turn off to Kapinnie

877.6. Mt. Hope. Return.

878.4. Turned right.

879.4 Turned left

881.6 Turned left

884.3. Crossed Flinders Highway.

886.9. Undulating mallee heath
morabine sp. P28, Propoedura peninsularis,
essentially as last stop. Cyperaceous

plant prominent.

18002.8. Yaninee

18010.0 Rise with pale brown soil &
Goniaea australasiae, Coryphistes ruricola,
limestone concretions. Mallee to 8ft,
Genus nov. 95 ochracea, Genus nov. 48 sp. 2,
with broombush & other microphyllous
Apotropis vittata, Urnisa rugosa, Austroicetes frater.
shrubs to 3ft. incl. Dodonaea sp. to 2ft.
Genus nov. 6 sp. 2, morabine spp. P127c; P28
Sparse grass.

012.7. Minnipa

023.8. Undulating brown soil with
Azelota diversipes, Apotropis vittata, Genus
large limestone outcrops & stones.
nov. 95 sp. 8, Goniaea australasiae,
Mallee to 8ft spaced, with Melaleuca
Genus nov. 48 sp. 2, Urnisa rugosa, Coryphistes
spp., Dodonaea sp. & Acacia sp. to 4ft,
ruricola, incl. Olearia sp.
numerous other shrubs/to 2ft, Triodia
morabine spp. P28, P127c
irritans abundant, Danthonia sp.

sparse, a few forbs.

025.6 Karcultaby.

033.7. Poochera.

039.6. Turn off to Chandada.

040.7. Gently undulating brown soil
Coryphistes ruricola, Genus nov. 95 ochracea,
with limestone stones. Mallee to 15ft.
Urnisa rugosa, Genus nov. 48 sp. 2, morabine
well spaced, with Melaleuca spp. to 5ft
sp. P127c
+ other shrubs, incl. a red Eremophila, to
2ft, Triodia irritans abundant,
Danthonia sp., some Stipa sp.

045.7. Wirrulla.

119.5. Ceduna.

130.8 Base of coastal sand dune on
Cape Austroicetes frater, Acplessia sp. 3,
road to Nuyts. Whitish sand. Mallee
Pycnostictus seriatus
to 15ft, Melaleuca sp. to 6ft, Geijera
linearifolia to 4ft, Atriplex vesicaria
+ A. sp. to 2ft, Cratystylis to 3ft, with
Mesembrianthemum sp. + Carpobrotus sp.
+ Bassia spp. to 6 in. Stipa sp. occ.
to 1ft.

31/10
132.8 Ceduna.

134.6. Ceduna depart.

152.5 Koonibba Rly. siding.

154.9. Gentle undulations on pale
Coryphistes ruricola, Chortoicetes terminifera,
brown soil. Mallee to 20ft. spaced,
Genus nov.-95 ochracea, Micreola sp. 10
with Melaleuca sp. to 6ft. Geijera
linearifolia to 5ft, occ. smaller shrubs,
much dense Stipa sp. to 1ft, occ.
Zygophyllum sp., Eremophila sp. Only
very small morabine nymphs on
shrubs.

156.4. Intersection at Cundsie
Tank (156.6)

160.4 = 160.7. Undulating, with pale
morabine sp. P1276
brown soil. Myoporum ~~sp~~ platycarpum
to 15ft occ., Geijera linearifolia frequent
to 6ft, occ. Acacia sp. to 6ft. Occ. Cratylo-
stylus to 3ft, Atriplex vesicaria to 1ft,
Stipa sp. dense to 1ft. Morabine on
Geijera (spec.) Geijera linearifolia (D.C.) Black

161.7 Intersection to Woolshed Hill.

180.2. Penong

246.4. ~~B~~ Level, pale brown soil. Mallee

to 20ft in patches, with Geijera
Genus nov. 95 ochracea, Cryptobothrus variola,
linearifolia & a silver-leafed, mauve-
morabine spp. P127a, P33
flowered, upright Eremophila to 3 ft,
occ. red-flowered & smaller mauve-
flowered Eremophila to 1ft, occ.
Zygophyllum sp. & other small shrubs.
Much litter & bare ground, Stipa sp.
between mallee patches.

248.5 Grid, tank on right.

254.3 Vermin-proof fence.

260.4 Turned off to Yalata Mission.

261.3 Yalata Mission. Return.

262.5 Back on highway.

266.0 Grid

285.7 Pale brown sand hills with mallee
Pepleosia sp. 3, Genus nov 95 ochracea,
to 25ft, spaced, A. sowdenii to 10ft,
Apotropis vittata, morabine sp. P28.
occ. Myoporum platycarpum to 15ft.
Cratylostylis abundant to 3ft. Atriplex
vesicaria & Zygophyllum to 1ft. Stipa
sp. frequent to 1ft, some Bassia sp.
to 6in. Morabines on Cratylostylis.

286.6 Vermin-proof fence.

303.6 Dry Tank Motel.

306.1. Vermin-proof fence.

310.4. fence

312.8. fence

315.2. Tracks to left.

320.8 fence. = 321.7.

321.8. Turned south. =

323.0. Crossed track.

324.1. Repeater station.

324.7. Followed along north side of fence to east.

326.9 Tank.

327.0. Road in from right.

328.1. Road in from right

329.9 Cross fence

330.3. Cross fence

332.0. road in from left.

? 332.6 Genus nov. 32 sp. 1, moraline sp. P33

333.2. End of road near well. Return.

337.3. Took left fork (= 328.7) along tel. line.

338.1 Track in from right

338.3. Through fence.

338.7. Turned left. 339.4. Camped

1/11
339.4. Undulating consolidated sand
. Urnisa rugosa, Genus nov. 40 sp. 1, Coryphistes
hills with pale brown sandy soil &
ruricola, morabine sp. P127a
occ. limestone concretions. Widely spaced mallee to 8ft, large spreading Melaleuca sp. to 5ft, Cratystylis conocephala to 3ft abundant, A. vesicaria to 1ft, & Bassia sp. & an abundant small rounded shrublet with small white flowers (Westringia rigida?). Occ. sparse grass. Morabine on Cratystylis, also Genus nov. 40 & Coryphistes.

346.7. White Wells.

348.4 Back on highway.

478.4 Eucla

478.8 Top of descent of scarp. Rugged
Goniaea australasiae, Apotropis vittata
outcropping limestone on very steep slope of gully. Scattered mallee to 12ft, with Melaleuca sp. to 4ft & scattered shrubs to 2ft, incl. a red Eremophila

& Rhagodia sp.

485.1 Grid.

491.2. Junction with old road.

500.0. Turned off to right.

500.6. Quarry at base of scarp. Steep
Austroicetes nullarborensis, Coryphistes ruricola,
rugged limestone slope with massive
Genus nov. 95 ochracea, Pycnostictus
exposures & rocks. Mallee, well spaced, to 15ft, sp. ?,
morabine spp. P127a, P180
with Melaleuca sp. to 10ft occ, v. occ.
Cratystylis conocephala; A. vesicaria to 2ft, occ.
Geijera linearifolia, v. occ. A. nummularia,
Zygophyllum under eucs, Rhagodia
sp., other small shrubs occ., Stipa
Stipa scabra Lindl. (spec.)
sp. aff. verticillata in patches &
sparse more generally (P170 on this).
Also on top of scarp: flat with
other shrubs (Austroicetes here, morabine
on slope, the granulosa group prob.
on Zygophyllum.

501.2 Back on highway.

501.5. Track to left.

510.7. Road takes slight bend to right.

512.0. Projecting spur of scarp.

516.9. Road bends to right (away from old road & telegraph line).

519.1. Road curves to left.

519.9. Turned off for Kuthala Pass.

521.0. Top of pass. Essentially as last
Limonov. 95 ochracea, moraline sp. P180.
stop. Mucked about. Return.

523.5. Back on highway.

525.2. Bend left.

526.7. Bend right to rejoin old road.

530.7. Bend off old road to right.

530.9. Grid.

533.3. Bend left

534.8. Grid.

537.1. Bend left

537.8. Bend right on to old road. Road off to right (to Emu Well?)

539. Opposite Emu Well.

541.2. Grid

545.8. Turned off for Mundrabilla

548.4. Top of pass.

549.0 Camped

2/11.

549.0. Mallee to 15ft. well spaced, with
Genus nov. 6 sp. 2, Austroicetes nullarborensis;
Melaleuca sp. to 10ft., Geijera linearifolia
A. pusilla, Genus nov. 95 ochracea, Macrotona
to 6ft. occ. A. nummularia to
sp. 26, Pycnostictus sp. 2, Urnisa rugosa;
5ft., scattered Rhagodia sp., K. sedifolia,
Macrolopholia sp., Pardillana sp. 11, Chortoicetes
+ A. vesicaria to 2ft., Bassia spp. to
terminifera; Genus nov. 32 sp. 1, morabine spp.
6in., Stipa sp. often dense to 1ft.;
P180, P33
much bare ground, with all sizes
of limestone rocks + gravel. Flat top of scarp
+ a few feet down the edge.

551.9. Back on main highway.

557.0. Grid

560.0. Bend right

560.8. Bend left.

561.7. Opposite trig. cairn on scarp.

565.0. Bend left.

566.7 Bend left

568.3. Bend left

569.0. Bend right on to old road.

572.2. Old road bends right.

579.3. Tank.

586.2. Moodini Bluff.

586.9. Turned off to Moodini Pass.

587.2. Base of pass & half-way up
Chortoicetes terminifera, Urnisa rugosa,
scarp. Steep & more gentle slopes,
U. guttulosa, Apotropis vittata, Austroicetes
with limestone rocks on steeper
frater, Goniaea vocans, Porraxia sp. 2, Genus
parts. Brown sandy loam. Mallee to
nov. 32 sp. 1
20ft, Melaleuca sp. to 10ft, A. vesicaria to
2ft, Zygophyllum clumps to 1ft, occ.
A. nummularia to 4ft, scattered Bassia
spp. to 9in, short-grazed Stipa sp. to
3in, scattered forbs.

587.6 Back on highway.

602.0. Madura.

658.0. Cocklebiddy.

660.0 Took right fork.

669.6 Took left fork.

670.4. Took right fork

670.9. Camp site. Went on.

671.1. Crossed telegraph line.

676.0. Turned right at intersection.

677.2. End of road at dunes west of
Twilight Cove. Return.

679.9. Mallee to 12ft on consolidated
Goniaea vocans, Peakesia brunnea;
white sand dunes, with mixed heathy
Urnisa rugosa (?), morabine sp. P8
shrubs, incl. Melaleuca sp., Hibbertia sp.,
legumes, etc. to 3ft & in places 1ft,
smaller cyperaceous plant to 9in,
much bare sand. Morabines on Hibbertia.

683.6 = 670.9. Ridge & hollow of
Urnisa guttulosa, U. rugosa, Goniaea vocans;
stabilized & partly consolidated sand-
Pespulia sp. 5, Micreola sp. 8, Urnisiella
hill with beige-coloured sand &
rubropunctata, morabine sp. P8, Propsednura
occasional aeolian limestone rocks.
eyrei
Mallee to 12ft spaced, with Callitris
?verrucosa to 10ft, mixed microphyllous
shrubs, incl. Melaleuca spp., Calytrix
sp., Acacia sp., & legumes, to 2ft, 2 spp.
Gahnia deusta plants (R. Br.) Benth.; Lepidosperma
of tussocky ~~Cyperaceae~~ (specs.) to 18in.;
tuberculatum Nees [det. Blake] tussocky
Propsednura on both spp. ~~of Cyperaceae~~
only. [Gahnia is a grass; Lepidosperma a sedge]

3/11.

683.6. Depart.

685.4. Gently undulating pale brown
sandy loam with much surface

stone to 2in diam. Mallee to 15ft
Coryphistes ruricola, Microla sp. 8, Urnisa
spaced, Melaleuca sp. to 7ft, Casuarina
rugosa, Goniaea vocans, Genus nov. 48 sp. 2.
sp. to 7ft, well spaced shrubs of
Apotropis vittata
Dodonaea sp., Olearia sp., & legumes
to 1ft. abundant Triodia sp. to 1ft.
a fine tussocky sedge to 6in, much
bare ground. Small morabine nymphs
numerous on Dodonaea, Triodia, & sedge.

687.9. Nearly flat country as previous
Coryphistes ruricola, Goniaea opomaloides,
stop, but no Triodia & more shrubs,
morabine sp. P127a
including a little dense, white-flowered
("brittlebush") Westringia rigida R. Br.
one (spec.) to 1ft. (Morabine on this).

737.2 Caiguna Motel.

761.7. Flat, pale brown sandy loam.
Goniaea australasiae, Genus nov. 95
Mallee to 20ft spaced, with Geijera
ochracea, Apotropis vittata, Genus nov. 46 sp. 1,
linearifolia & a broom-like bush to
Bepassia sp. 3; Coryphistes ruricola
6ft, Cratystylis to 3ft, occ. A. nummularia
Westringia rigida A. vesicaria,
to 4ft, brittle-bush, Olearia sp. & a
samphire to 1ft, Kochia & Bassia sp. to
9in, much bare ground.

808.1. Flat, brown sandy loam. Mallee to

Beplessia sp. 3, Pardillana sp. 11, Goniaea
20ft spaced, with a broom-like shrub
australasiae, Qualetta maculata,
to 10ft, Cratystylis conocephala & occ. A. nummularia
Pycnostictus sp. 2, A. vesicaria, Westringia rigida
to 3ft, Olearia sp. & brittle-bush to 1ft,
P. seriatus, Monistria discrepans, Genus nov. 46 sp. 1,
Bassia sp. to 9in, much bare ground,
Apotropis vittata, Genus nov. 6 sp. 2, Urnisa rugosa
some litter, scattered Stipa sp. to 1ft.

833.1 Balladonia H.S.

846.3. Govt. Tank.

849.6. Balladonia Hotel

852.7. Afghan Rock. Return.

855.8. Balladonia Hotel.

856.5. Gently undulating, with pale
Monistria sp. 2, M. discrepans, Pardillana sp. 11,
brown fine sandy loam with
Beplessia sp. 3, Coryphistes ruricola, Goniaea
scattered fine lime concretions.
australasiae, Genus nov. 46 sp. 1, Perbellia sp. 6.
Mallee to 20ft spaced, with scattered
Apotropis vittata
Melaleuca sp. to 8ft, Cratystylis conocephala &
occ. A. nummularia to 4ft, a grey
broom-like Eremophila with mauve
flowers to 5ft, brittle-bush, Westringia rigida, Olearia
sp. & a small prostrate Eremophila
with mauve flowers to 1ft, occ.
Acacia sp. to 2ft. Much bare ground

& litter. Monistrias on brittle Westringia rigida bush & low Eremophila : abundant.

4/11

866.3. Undulations with brown fine sandy loam. morabine sp. P8 Gimlet (?) + other mallee to 30ft, with mainly dense understorey of Melaleuca sp. to 7ft, Dodonaea sp. to 4ft, occ. quondong + other shrubs, occ. Olearia to 2ft. Some bare ground. Morabine on Dodonaea, along with numerous small nymphs.

876.4. Gently undulating red sand Qualetta maculata, Austroicetes frater, with scattered mallee to 10ft, an Rusurplia tristis, Urnisiella rubropunctata, Acacia with narrow phyllodes to 6ft, Tapesta carneipes Dodonaea spp., Eremophila spp. & other small shrubs to 2ft, Triodia sp. to 18in, considerable bare ground, occ. open patches with low-grazed Stipa sp. Chort., Urnisa gutt.

887.0. Turn-off to right.

887.6. Newman Rock. Mallee to 25 on pale brown granitic soil, leading down to the broad rock with a large

waterhole. Eremophila with pink flowers
Genus nov. 48 sp. 2, Austroicetes pusilla,
to 8ft scattered about. Triodia sp.
Microla badia, Paratettix albolimbatus
under mallee, very short grass + forbs
around rock, with Bassia sp. to 6 in in
places. Tetrigids on short growth near
water.

888.2. Back on highway.

894.4. Bend left.

896.7. Grid.

897.7. Lower slopes of stony hill. Red-
Austroicetes interioris (?), A. cruciata, Microla
brown sandy loam. Treeless, with
badia, Tapesta carneipes, Pycnostictus seriatus,
Dodonaea sp., Cassia sp., Eremophila
Urnisa guttulosa
sp., + other shrubs to 2ft, grey Bassia
sp. to 6 in, sparse grass on open patches
to 2 in, a few forbs.

903.3. Grid

905.5 Grid

909.6 Grid. Bend left.

910.4. Road fork. Took right one.

911.1 Fraser Range. Steep slopes with
much dark rock, red-brown soil. Casuarina

sp. to 20ft well spaced, Dodonaea sp.
Genus nov. 95 ochracea, Urnisa guttulosa, Chortoicetes
+ a few other shrubs to 2ft scattered
terminifera, Austroicetes cruciata, Apotropis vittata,
Lower slopes with a soft Aristida sp.
Pycnostictus seriatus, Porraxia sp. 2
dense to 6in.

5/11 Coryphistes ruricola, Genus nov. 31 sp. 1, Goniaea
opomaloides, G. australasiae, Pardillana sp. 11, Urnisa
rugosa, Genus nov. 95 ochracea, Genus nov. 44 sp. 1,
Porraxia sp. 2.

984.5. Depart Norseman Motel.

993.0 Native mission

997.2. Spur of Mt. Thirsty adjacent to
Coryphistes ruricola, Apotropis vittata, Epallia
shore of Lake Cowan. A mallee of tree
sp., Pardillana sp. 11, Austroicetes frater, Genus
form to 30ft on steep rocky slopes
nov. 95 ochracea, Porraxia sp. 2 (j.)
+ adjacent flat. Brown skeletal soil.
Eremophila spp., Pittosporum sp., + A.
nummularia to 6ft, Cratystylis conocephala to 3ft.
A. vesicaria occ. to 1ft, a few other
small shrubs, occ. mixed grasses +
forbs, some bare ground + litter.

1000.7 Turned left.

1002.8. Mallees to 30ft on flat red-brown
Genus nov. 44 sp. 1, Genus nov. 46 sp. 1, Goniaea
sandy loam, with Eremophila spp. +
australasiae, Monistria sp. 2, Genus nov. 31 sp. 1,
another microphyllous shrub to 3ft occ.
Pardillana sp. 11, Coryphistes ruricola, Pespulia sp. 5
Melaleuca sp. to 8ft, a dense, mallee-

flowered Eremophila to 1ft, much bare ground + litter. Monistria on low Eremophila.

007.7 Bend right

007.9. Bend left.

008.3. Rough-based tree mallee to 25ft,
Pardillana sp.11, Goniaea australasiae, Genus
gumlet(3) to 20ft on gently undulating
nov. 46 sp.1, Genus nov. 44 sp.1, Apotropis vittata
brown sandy loam with dense microphyllous shrubs to 1ft, incl. some mauve Eremophila, leading to white whip-stick mallee to 10ft with Triodia sp. dense. Much bare ground, some litter.

018.1. Flat, pale yellowish sand Rough-
Genus nov. 95 sp.1, Monistria sp.2 (j.), Pespulia sp.5
based mallee to 25ft, green-flowered mallee to 15ft. with scattered broom-like Eremophila + Melaleuca spp. to 7ft, Triodia sp. abundant, cyperaceous tussocks to 1ft. ? Lepidosperma sp.

023.6. Cross road.

028.1. Smooth-barked mees to 40ft, with quondong + broom-like shrubs to 6ft

well spaced. Smaller shrubs, incl.
Apotropis vittata
mauve Eremophila to 1ft. Much bare
ground, some litter. Flat, brown sandy
loam.

031.8. Lake on right.

038.9. Flat, brown sandy loam. Gimlet(?) +
Monistria sp-2, Apotropis vittata, Goniaea
other mallees to 25ft, Casuarina sp. in
australasiae, Cirphula flavotibialis, morabine
clumps to 10ft, Melaleuca sp. to 7ft, low
sp. P8 (?)
shrubs

039.6. Turn-off to right.

047.0. Lake on right.
rough-bark
048.3 Eucs. + / mallee to 50ft., Melaleuca
Pardillana sp. 11, Goniaea australasiae
sp. to 12ft, Cratystylis to 3ft, small
mauve Eremophila to 1ft., much bare
ground + litter.

053.4. Turned right.

054.0. Turned right.

056.0. Turn-off to left.
+ Acacia sp.
057.6. Melaleuca spp. (to 7ft on pale brown
coarse sandy loam flat with occ. Eremophila
sp. + other shrubs to 1ft, patches of Triodia

sp., patches of very low grasses + forbs
Genus nov. 47 sp. 1, Monistria sp. 2, Austroicetes arida,
(dry time, heavy grazing), considerable bare
Coryphistes ruricola, Tapesta carnipes, Microla badia,
ground Qualetta maculata. Urnisa rugosa

060.3 ~~Turn~~ Bend north.

065.4. Track off to left.

066.6. Track off to left.

067.4. Nearly flat, pale brown sandy loam.
Goniaea australasiae, Apotropis (?) vittata,
White-barked tree + gimlet (to 45ft well
Monistria sp. 2 (j)
spaced. Spreading Acacia spp, Cassia sp.,
quondong + other shrubs fairly dense
to 5ft, with mauve Eremophila + a
few others to 2ft. Bare ground, some
litter.

077.3. Slightly sloping sand plain with
Genus nov. 48 sp. 2, Urnisa very rugosa, Genus
yellowish sand. Mallee (widely spaced,
nov. 95 sp. 1, Cirphula sp. 2
Casuarina sp (long spines on cones) & Callitris
sp. all to 8ft, with dense mixed shrubs
(depauperate composition) to 2ft, sparse
? Lepidosperma sp.
small Triodia tussocks, occ. cyperaceous
plant.

080.5 Camp.

6/11

(?) to 20ft
080.5 Mallee incl. gimlet/on flat
Goniaea vocans, G. australasiae, Cirphula
adjacent to flat rock exposure. Pale
flavotibialis, Morabine sp. 8(?), Propsednura eyrei
brown fine sandy loam. Mixed
microphyllous shrubs spaced & rather
spreading to 5ft. with a few taller,
some quondong to 7ft, Triodia sp.
?Lepidosperma sp.
near rock, cyperaceous tussocks
frequent, much bare ground, some
litter.

~~087.2~~ 087.2 Track off to left.

088.5. Mallee & trees to 45ft. on flat
Goniaea australasiae, G. vocans
brown sandy loam. Melaleuca sp. to 8ft
scattered, miscellaneous shrubs to
4ft. many to 2ft, a little Triodia in
part. Much bare ground & litter.

091.2 Road in from right.

093.3. Road in from left.

094.5. Heath. Well spaced Grevillea sp
Genus nov. 48 sp. 2. Cirphula sp. 2. Genus nov.
to 10ft. Casuarina sp. to 4ft, scattered
95 sp. 1, Urnisa rugosa. Urnisiella rubropunctata,
Xanthorrhoea to 5ft. Miscellaneous
Morabine sp. P8(?)

microphyllous shrubs to 1ft. Flat, pale
yellow sand.

098.6. Essentially as last stop but on
Cirphula flavotibialis, Genus nov. 95 sp. 1, Cirphula
slight rise, mallee scattered to 6ft,
sp. 2
greater variety of shrubs.

099.5 Track in from right

100.6. Track in from right.

108.8. Queen Victoria Rock.

113.8. Red-brown sandy loam on gentle
Apotropis vittata, Coryphistes ruricola, Monistria
slope. Regrowth to 1ft from a fire,
sp. 2(?)(j.), Morabine spp. P8, P187(j.)
comprising Melaleuca sp., Acacia spp. &
scattered mallees – original height
probably ca. 8ft.

119.3 Gnarlbine Rock.

120.8. Flat red-brown sandy loam with
purple Genus nov. 44 sp. 1, Goniaea
surface ironstone gravel in places.
(?) australasiae (j.)
Gimlet & other mallees to 40ft, spaced,
with broom-like Eremophila sp. to 5ft occ;
conocephala
Cratystylis to 3ft & A. vesicaria to 2ft,
occ. Olearia sp. & other shrubs under
trees. Much bare ground. (Gnarlbine Mine)

127.2. Kangaroo Hills, Gentle undulations
Goniaea australasiae, Genus nov. 44 sp. 1,
of stony rises (mainly <3in diam.) with
Pespulia sp. 5 (?) (j.)
brown sandy loam. A very glaucous-leafed + other mallees to 15 ft fairly dense, with Acacia sp. + quandong to 6ft, other microphyllous shrubs rocc. A. nummularia to 4ft. A. vesicaria frequent to 1ft, much bare ground.

129.2 Rolling stony hills with brown
Goniaea vocans. G. australasiae
soil. Mallee to 30 ft, spaced, Dodonaea sp. to 5ft, Atriplex nummularia occ. to 4ft, A. vesicaria to 2ft, bare ground + litter.

129.3. Road in from right

132.2. Grid. Road in from right

138.6 Coolgardie.

139.2 Coolgardie depart.

143.7. Turn off to left.

145.1. Flat. Red fine sandy loam with
Goniaea australasiae, morabine sp. P187 (j.)
dense purple gravel to ½in diam.
Mallee spaced to 30ft, with spreading

Acacia sp. + broom-like mauve-flowered Eremophila sp. to 4ft, occ. Cratystylis conocephala to 3ft + A. nummularia to 4ft, A. vesicaria to 2ft., occ. Bassia sp. (dead) to 6in. Much bare ground, some litter. Morabine nymphs numerous on Eremophila.

142.6. Chicken farm

150.2. Track crossing.

159.5. Yallari Well.

165.5. Turn-off to right. Road workers' camp.

166.8. Spargoville.

7/11.

167.2 Camp. Undulating, with brown
Monistria discrepans, Apotropis vittata. "
sandy loam, stony in places. "Blackbutt"
Pardillana sp. "
+ other mallees to 25ft. with Dodonaea sp., quondong, Melaleuca sp., + other shrubs to 6ft, occ. A. nummularia + Cassia sp., to 4ft, occ. Kochia sedifolia to 2ft, Eremophila sp. (small mauve) to 1ft (Monistria on this).

173.6. Turn-off to Kambalda

176.4. Emu Rock.

177.7. Mondilla

178.3. ~~St~~ Flat with red-brown sandy loam. Salmonophloia to 50ft spaced, with some lower mallee. Closely spaced spreading shrubs of Acacia spp. (3), Eremophila spp. (3), Cassia sp., & quondong, all to 6ft. Bare ground between.

184.7. Slopes of stony hill with pale brown soil. Various mallees to 30ft spaced. Dodonaea sp., Eremophila spp. (2), Acacia ~~sp~~ tetragonophylla, A. sp., all to 5ft., Olearia sp. to 1ft. Much bare ground, some litter.
Genus nov. 31 sp. 1, Apotropis vittata

186.6. Widgiemooltha.

189.9. Road off to left.

194.0. Grid.

194.1. Stop. Nothing.

203.6. Flat. Red-brown fine sandy loam.
Genus nov. 31 sp. 1, Goniaea australasiae.
Mallee to 35ft, with Eremophila spp. (2)
Genus nov. 4~~4~~ sp. 1
& occ. A. nummularia to 5ft, Craty~~s~~stylis conocephala

K. sedifolia (occ.), to 3ft, A. vesicaria, Olearia sp. to 1ft, much bare ground, some litter.

203.7. Binaronca Rock.

206.7. Higginsville.

213.8. Flat, with brown fine sandy loam.
Genus nov. 44 sp. 1, Pardillana sp. 11,
Mallee to 40ft, incl. some whipstick
(?) Macrolopholia sp., Goniaea australasiae
gimlet, to 15ft. ~~A~~ Eremophila (broom-like) to 8ft well spaced, ~~occ~~. Cratystylis conocephala to 3ft, mauve Eremophila + another fine-leafed, dense shrub to 1ft, A. vesicaria to 1ft, occ. Bassia sp. to 6in, bare ground, litter.

215.1 Bend left.

216.9. Road in from left.

223.6. Bend left.

226.8. Turn-off to Lake Johnston.

243.4. Norseman.

243.7. Norseman depart.

247.9. Jimberlana Hill. Flat with brown sandy loam & mallee to 35ft. A. vesicaria to 1ft & Bassia sp. to 6in sparse, much

bare ground leading to middle slopes
Goniaea vocans, G. australasiae, Genus nov. 48 sp. 2,
with large brown rocks, with Triodia
Urnisa guttulosa, Genus nov. 43 sp. 3, Pespulia
sp., occ. low mallee to left, Dodonaea
sp. 5, Genus nov. 95 ochracea, Porrascia sp. 2(j.),
sp. + a few other shrubs to 3ft. Genus
morabine sp. 8(?)
nov. 42 on flat.

250.1. Grid

257.7 Grid

260.2. Mallee, incl. rough based to 40ft +
Goniaea australasiae, Austroicetes frater,
whipstick gimlet to 15ft, on gently
Genus nov. 95 ochracea, Genus nov. 31 sp. 1, Genus
undulating red-brown sand, with Acacia
nov. 46 sp. 1, Monistria sp. 2, Porrascia sp. 2,
spp. (3), Eremophila sp., Melaleuca sp.,
Genus nov. 6 sp. 2
+ other shrubs dense to 4ft + in places
2ft, a little roadside clearing with
sparse grass + debris, bare ground.

265.0. Bend right.

266.0. Bend left.

267.2. Bend right.

271.2. Flat with brown sandy loam.
Eumecistes gratiosus (?)(j.), Monistria latevittata
Mallee to 30ft with grey broom-like
(?)(j.), Propsednura eyrei
Eremophila + other shrubs to 4ft, with
are ground + litter, adjacent to a

treeless patch of heath to 1ft on red-brown sandy flat with mixed shrubs, ~~tr~~ + Propsedunusa Lepidosperma sp. sedge. A few small morabine nymphs.

275.5. Well. Road bends right.

283.4. Heartbreak Ridge.

283.7. Cross roads. Turned left.

283.8 Camp. ~~Sa~~ Flat with pale brown sandy loam. Mallee + trees to 50ft, with Melaleuca sp., quondong, Acacia sp., + another shrub to 5ft, Cratystylis conocephala to 3ft, Olearia to 1ft. Much litter, some bare ground.

8/11

283.9. Back on highway.

289.0. Bend right.

289.4. Bend left.

290.2. Lake on left.

293.5. Turned left.

293.8. Edge of ~~sa~~ dry salt lake. Mallee to 50ft on rocky slope with Melaleuca sp., Dodonaea sp., + Myoporum platycarpum

+ Grevillea sp.
to 8ft, with Craty~~to~~stylis [to 5ft, A.
Machlopholia sp., Genus nov. 43 sp. 3, Chortoicetes
vesicaria to 1ft + other shrubs; leading
terminifera, Pycnostictus seriatus, P. sp. 2, Urnisa
to lake bed with samphires, Carpobrotus
guttulosa, U. rugosa
+ other succulents. Pale brown fine
sandy loam.

295.2 Small lake on right.

295.5. Crossed an E-W lake.

299.7. Turned ENE.

300.6. T-junction. Turned left.
general direction soon N.

301.8. Track in from right

302.7. Eucs (mallee + trees) to 50ft on flat
Goniaea australasiae, Pardillana sp. 11, Genus
pale brown sandy loam. Melaleuca sp.
nov. 44 sp. 1, Porrassia sp. 2
+ quondong to 8ft, Eremophila spp. (2) to
Conocephala
4ft, Craty~~to~~stylis [to 3ft, A. vesicaria +
Olearia sp. (occ.) to 1ft., occ. A. nummularia
to 5ft. Much bare ground + litter.

304.7. Track in from left.

305.4. T-junction. Took left fork.

306.4. Fork. Took right track.

308.2. Track in from right

General direction here W

311.0. Track in from left.

313.0. Lake on left. Pale brown fine
Apotropis vittata, Goniaea opomaloides,
sandy loam. Melaleuca sp. to 15ft,
Pardillana sp. 11, Qualetta maculata, Coryphistes
with scattered mallee to same.
ruricola
Cratystylis conocephala to 4ft, occ. Geijera linearifolia to 6ft, occ. Myoporum platycarpum to 15ft, Atriplex vesicaria to 2ft, Acacia sp. (spiny, spreading) to 9in in a large patch, another small-leafed shrub to same.

313.9. Road in from left. Lake on left.

314.4. Road in from left.

315.0. Small lake on right, large one on left.

316.8. Track in from left.

319.8. T-junction. Turned N.

320.8. Fork: took right = 321.2

323.3. Euc. trees & mallee to 50ft with Melaleuca sp. to 15ft, Eremophila sp. &

quondong to 4ft., Cratystylis conocephala to 3ft., A. nummularia occ. to 4ft., occ. Olearia to 1ft. Flat, brown fine sandy loam, some bare ground.

325.0. Intersection. Turned right. General direction N.

326.2. T-junction. Turn right. General direction E.

326.7 meat ants.

326.9. Forked left.

328.0. Return.

329.6 = 326.2. Continued W.

332.5. Turned right.

339.3. Turned left.

339.8 Forked right

340.8. Turned round.

342.3 = 339.3. ~~Turned~~ Took right fork.

345.7. Eucs as trees & mallees to 40ft on undulating pale brown soil with limestone concretions & purple stones to 2in. Melaleuca sp. quondong, & Acacia sp. to 15 ft., Cratystylis conocephala to 3ft. occ. A. vesicaria & brittle

Qualetta maculata, Austroicetes cofakes, Apotropis vittata.

bush to 1ft. (Westringia rigida)

351.0. Junction. "Junction Lake" to left, Lindsay Pass to right. Went straight ahead, i.e. NNE.

356.2 Camp. Euc. trees & mallee to 50ft
Goniaea australasiae, Peakesia sp. 5 (?) (j.),
on flat red-brown sandy loam, with
Pardillana sp. 11, Porraxia sp. 2 (?) (j.)
Melaleuca sp. to 15ft, silvery broom-like Eremophila, 2 other Eremophila spp., Acacia sp, Cassia sp., quandong, & other shrubs to 7ft, A. victoriae & occ. Olearia sp. to 1ft, much bare ground with lichen or sandy, litter under trees.

9/11.

356.2 Depart.

366.0 Direction from here tending more NE.

366.5. Bank of large lake, mainly to right.

368.4. Gently sloping margin of lake. Red-brown sandy loam. Patches of mallee to 40ft, with Myoporum platycarpum

to 15ft occ., Dodonaea sp. occ. to 6ft,
+ other shrubs Goniaea australasiae,
conocephalus
Craty~~lo~~stylis to 3ft, A. vesicaria +
Urnisa rugosa, U. guttulosa, Macrolopholia sp.;
Rhagodia (?) sp. to 18in, samphire on
Tapesta campipes, Qualetta maculata, Pycnostictus
lake itself, very sparse, short grass (1in),
seriatus, Austroicetes arida, Perassia sp. 2 (?)(j.),
Bassia sp. + Kochia sp. occ. to 6in.
Genus nov. 6 sp.

368.7. Joined new road from S, turned left into it.

370.0. ~~Intersection at~~ Crossing of long narrow E-W lake. ~~Took left fork~~.

372.5 (approx) left old road + lakes; travelled slightly W of N over mallee.

375.6. Swung ~~N~~ E.

375.8. ~~Along~~ west shore of large salt lake.

376.2. Crossed old road.

377.8. Lake on right with sand.

378.3. Euc. trees + mallees to 40ft on
Coryphistes ruricola, Goniaea australasiae,
flat, red-brown sandy loam. Silvery broom-
Pardillana sp. 11, P. sp. (j.), Pespulia sp. 4,
like Eremophila, quandong, + Cassia sp.
Genus nov. 44 sp. 1, conocephalus + Apotropis vittata
to 6ft, Craty~~lo~~stylis to 3ft, A. vesicaria

to 1ft, bare ground & litter. A few small morabine nymphs on Eremophila.

379.5. Track off to left.

381.4 Lake on right.

~~380~~ 384.5 Small lake on right

384.7 ~~Go~~ T-junction. Turned right.

387.8. Flat, red-brown sand. Mallee to
Goniaea vocans, Eumecistes gratiosus (?)(j.),
20ft, with Dodonaea sp. & a few other
Apotropis vittata, Genus nov. 95 sp. 1
shrubs to 3ft, Triodia sp. to 1ft. Bare ground.

389.3. T-junction. Turned left.

392.9. Flat, red-brown sand. Mallee to
Goniaea vocans, Genus nov. 31 sp. 1, Qualetta
30ft. ~~Melaleuca~~ Eremophila spp. (2),
maculata, Genus nov. 48 sp. 2
quandong, & Acacia sp. to 6ft, Dodonaea sp~~p~~ (1) to 3ft, D. sp. to 1ft (spreading). Other shrubs, incl. sandalwood (?), Triodia sp. to 2ft. Bare ground.

395.1. Lake on right.

396.0. Lake on left.

401.0 Bend left

402.0. Turn round.

402.9. Turned left. = 401.0

405.6. Flat, with red-brown sand. Mallee
Goniaea australasiae, G. vocans, Pespulia
to 25ft with Acacia spp. (2), Dodonaea sp.,
sp. 5, Apotropis vittata
+ silvery broom Eremophila to 6ft, Cassia
sp. to 2ft, occ. shrubs to 1ft, much bare
ground, some litter. Some A. vesicaria
to 1ft. in part.

409.3. Eragima Hill.

411.6 Track in from left.

412.7. Dirt road going due N.

413.2. Black Cat Well.

413.4. Joined road along transcontinental
railway. Turned right.

414.5. Stopped. No Acridoidea

422.7 Camp. Euc. trees + mallees to 40ft
Goniaea vocans, G. australasiae, Coryphistes
spaced, Eremophila spp. (2, incl. silvery-
ruricola, Pespulia sp. 5, Genus nov. 31 sp. 1,
broom), Acacia spp. (2), + occ. A. nummularia
Porrasia sp. 2 (?) (j)
all to 6ft, A. vesicaria + occ. ~~[illegible]~~ other shrubs
to 1ft. Much bare ground, some litter.
Flat, red sandy loam. Small morabine
nymphs on shrubs.

10/11.

422.7 Depart.

423.5 Turn off to left.

428.1. Chiffley

431.0. Slightly rising red sand. Mallee
Goniaea vocans, Pespulia sp.(?)5, Genus nov. 48
to 20ft, with Acacia spp. to 6ft, Eremophila
sp.2
spp. (2) to 4ft, occ. smaller shrubs,
Triodia sp. abundant to 9in. Small
morabine nymphs on shrubs.

440.3. Slight bend left. Flat, brown
Porracia sp.2, Apotropis vittata, Pardillana
sandy loam. Euc. trees + mallees
sp.11, Goniaea australasiae, Macrolopholia sp.
to 50ft well spaced, with Acacia spp.
(4, incl. tetragonophylla), Eremophila
spp. (3, incl silvery broom + red), Cassia
sp., occ. sandalwood, all to 8ft, Kochia
sedifolia, K. spp. (2), Rhagodia sp., all
to 3ft, A. vesicaria to 2ft, dead Ward's
weed to 10in., occ. Kurrajong to 12ft.,
occ. Casuarina cristata to 15ft.

447.0. Coonana.

452.9. Gently undulating red-brown

sand. Mallee to 40ft spaced, with
Genus nov. 31 sp. 1, Coryphistes ruricola, Goniaea
Acacia spp. (2), Eremophila spp. (3), &
vocans, G. australasiae, Apotropis vittata,
quondong to 6ft, K. sedifolia to 3ft,
Eumecistes gratiosus (1)(♀). Pespulia sp. 5.
A. vesicaria & Oleana sp. to 1ft, Triodia
sp. patchy, remains of Ward's weed.

456.8 End of fence.

to 20ft
462.2. Mallee spaced on red sandy loam
Goniaea vocans, Genus nov. 95 ochracea.
flat. Acacia spp. (2, one tetragonophylla),
Eremophila spp. (2). Triodia occ.,
substantial areas of completely dead
grass to 6in.

471.6 Turn off to Zanthus.

471.9. Zanthus

472.8. Turned right for Balladonia.

473.5. Flat red brown sandy loam. Mallee
Goniaea vocans, G. australasiae, Pespulia
to 40ft spaced, with Acacia spp. (2),
sp. 5, Genus nov. 95 sp. 1, Urnisiella rubropunctata,
Eremophila spp. (2), & quondong to 6ft.
Apotropis vittata
sparse
Oleana sp. & a few other shrubs to 1ft.
Triodia abundant. Much bare ground,
with patches of thin surface sand.

482.6 Margin of dry lake. Brown sandy

loam descending some feet to floor of
Goniaea australasiae, G. vocans, Urnisa
lake. Mallee to 30ft on high level,
guttulosa, Rusurpha tristis
with Myoporum platycarpum & occ.
Casuarina cristata to 15ft, Eremophila
sp. & Cratystylis to 4ft;, Triodia in
very large clumps. Leading to Dodonaea
sp. & Myoporum sp. on gently sloping
banks. & A. vesicaria, & samphires, &
other halophilous shrubs on lake floor.

483.3 Second lake.

486.8, Lake on left.

490.3 Margin of slightly sunken plain
Genus nov. 95 olivacea, Pycnostictus seriatus,
with red-brown sand. Casuarina cristata
Macrolopholia sp. (j.), Urnisa guttulosa,
to 30ft on margin, with Myoporum
Tephrallus quadrilobus,
platycarpum to 15ft, Eremophila spp, to 6ft,
Heterodendron oleaefolium to 8ft, Pittosporum
phillyreoides to 8ft, Dodonaea sp., Cassia sp.'s to 5ft, &
other shrubs. Plain with uniform cover
of mainly a malvaceous plant to 3ft.
Bare ground.

494.6 Spy Hill.

502.2. Flat, with brown fine sandy loam.
Goniaea vocans, Genus nov. 43 sp. 2
Mallee to 25ft, with Eremophila spp. (2), quondong, Cassia sp. to 6ft, Olearia sp. + other shrubs occ. to 1ft. Triodia spp. (2 - one at one point only) frequent. Bare ground, litter.

511.0. "Isolated Plain". Flat treeless plain with
Bylepsia sp. 3, Qualetta maculata (j), Pespulia sp. 5
pale brown sandy loam. A. vesicaria + K. sedifolia to 2ft with occ. other shrubs. Bare ground. Bordered by slightly higher ground bearing mallee to 25ft, Myoporum platycarpum to 20ft, A. nummularia to 6ft, Cratystylis & K. sedifolia to 3ft, A. vesicaria to 2ft. occ. Bassia sp. to 6in. Bare ground, some litter. Morabine nymphs in night sweeps on shrubs (by Taylor).

11/11.

511.0. Depart.

515.0. Lignum patch.

521.6. Undulating brown sandy loam. Mallee to 30ft with Heterodendron,

quondong, Eremophila spp. (2), & Cassia sp.
Goniaea vocans, G. australasiae, Pardillana sp. 11,
all to 6ft, occ. Myoporum platycarpum to
Rusurplia tristis, Genus nov. 95 sp. 1, Apotropis
15ft, at higher levels with Olearia sp.
Westringia rigida vittata, Micreola badia, M. sp. 10,
& brittle-bush to 1ft under eucs & Triodia
Genus nov. 48 sp. 2, morabine sp. P8 (?)
sp. between them, at lower levels with
K. sedifolia to 2ft & A. vesicaria to 1ft.

531.2. Flat, brown fine sandy loam. Mallee
(both well-spaced)
to 30ft, Myoporum platycarpum to 20ft occ.
Pardillana sp. 11, Goniaea vocans, Qualetta
Heterodendron oleaefolium to 8ft, scattered
maculata, Genus nov. 95 ochracea, Genus nov. 32
A. nummularia to 4ft, Cratystylis & K.
sp. 1, Chortoicetes terminifera, Genus nov. 40 sp. 1,
sedifolia to 3ft, A. vesicaria to 1ft, with
Pycnostictus seriatus, Genus nov. 6 sp. 2
occ. Bassia sp. to 9in. Bare ground,
much of it with lichens. (A clearly
open woodland spacing of trees.)

535.0. Pioneer Tank.

537.3 New Pioneer Tank.

542.1. ~~two~~ Flat with pale brown soil.
Genus nov. 6 sp. 2, Pycnostictus sp. 2, Pardillana
Well spaced mallee to 40ft with well
sp. 11 (j.), Goniaea australasiae, G. vocans,
spaced A. nummularia to 4ft, Cratystylis
Apotropis vittata, Peplessia sp. 3, Genus nov. 40
& K. sedifolia to 3ft, A. vesicaria to 1ft,
sp. 1.
patches of Bassia sp. to 6in, bare ground

with lichen, litter under trees.

Apotropis vittata.

547.1 Margin of small lignum plain.
Chortoicetes terminifera, Austroicetes
Bassia sp. + short grass tussocks, both
nullarborensis, Genus nov. 32 sp. 1, morabine
to 6in on pale brown soil. Occ. A.
sp. P.33
vesicaria + A. nummularia.

549.3. Bull Oak Tank.

553.3. Took left fork.

554.7. Easter Tank.

556.2. Brown fine sandy loam, slightly
Macrolopholia sp., Apotropis vittata, Goniaea
undulating. Mallee to 40ft well spaced,
australasiae, Pycnostictus sp. 2, Peblessia sp. 3,
with A. nummularia to 4ft, Cratystylis
Genus nov. 95 ochracea, Qualetta maculata, Genus
to 3ft, A. vesicaria to 1ft, Bassia sp. to
nov. 40 sp. 1, Genus nov. 6 sp. 2
6in, sparse tussocky grass to 4in. Bare
ground with lichen.

559.2 First King Tank.

564.1. Kalingobunyah Dam.

564.4 Noondoonia Dam.

567.9. Gate.

574.9. Noondoonia H.S

583.2. Balladonia Motel

12/11

589.8. Left Eyre Highway on Esperance road.

598.3. Flat, with pale brown soil. Mallee
Apotropis vittata, Genus nov. 95 ochracea, Genus
widely spaced to 40ft, A. nummularia
nov. 32 sp. 1, conocephala Goniaea australasiae,
to 4ft, Cratystylis to 3ft, A. vesicaria,
Pardillana sp. 11, occ. Bipeessla sp. 3, Coryphistes
K. sedifolia, & Nitraria to 2ft, Bassia
ruricola
sp. to 9in. Genus nov. 40 sp. 1.

604.0. End of cross-fence on left. Road bends left.

606.5 Tank on left.

609.1. Flat with pale brown soil with
Morabine sp. P6, Goniaea vocans, G. sp. 1, G. australasiae,
limestone concretions. Mallee to 40ft,
Genus nov. 46 sp. 1, Apotropis vittata, Pardillana
partly damaged by fire. Melaleuca sp.
sp. 11, Genus nov. 95 ochracea, Urnisa broom-like
to 8ft. Regrowth of Melaleuca & Eremophila
rugosa, Austroicetes westridgia rigida Olearia sp.,
sp, also eucs, to 3ft, brittle-bush, &
frakei, Monistria discrepans, M. sp. 2, Porrascia sp. 2 (?)(♀)
low mauve Eremophila to 1ft.

609.5. Intersection & fence corner.

612.3. Bend left & cut cross fence.

612.8. Sharp bend left.

613.6. Bend right.

616.1 Bend right. Track in from left.

617.3 Track off to left.

619.3. Flat, brown soil, often with lichens,
Genus nov. 6 sp. 2, Macrotona sp. 26(j?), Peakesia
Mallee to 50ft, well spaced, with A.
sp. 3, Goniaea australasiae, Apotropis vittata,
nummularia to 5ft, Cratystylis & A.
Genus nov. 46 sp. 1, Coryphistes ruricola
vesicaria to 2ft, Eremophila (silvery broom)
Westringia rigida
occ. to 4ft, brittle-bush & Olearia sp.
to 4ft
under trees, occ. Geijera linearifolia &
? Apophyllum anomalum to 6ft. Bare
ground.

622.6. Track crosses at small angle.

627.7. Track hard to right.

628.9. Bend left.

630.9. Coragina Rock (Tank)

632.1. Flat with brown sandy loam
Austroicetes pusilla, A. frater, Pycnostictus
bordering a small rock hole. Mallee
seriatus, Coryphistes ruricola, Genus nov. 95
to 30ft, with Dodonaea spp, Eremophila
ochracea
sp., Cassinia sp., & other shrubs to 6ft.
Carpobrotus frequent, short grass & forbs
fringing rock hole. Chat.

632.5. Poviers Rock.

640.4. Stop. No Acridoidea.

642.7. Bend left.

651.0 Bend left.

652.3. Jumanda Rock Hole. A depression
Macrolopholia sp., Austroicetes frater, Paratettix
in a broad granite exposure, containing
bipeagiatus, Genus nov. 95 ochracea
water; also surrounding gentle slopes
with brown sandy soil. Mallee to
20ft, occ. Callitris sp. to 20ft, Melaleuca sp. to 10ft,
Acacia spp., Cassinia sp., Carpobrotus
prominent, sparse thin grasses. Tetrigids
on damp soil & low cover at edge of
water.

659.8. Track out on right.

660.1. Pine Hill. Slight rise, with brown
Miccrola sp. 8, Coryphistes ruricola, Genus nov. 95
sandy loam & limestone exposures. Mallee
ochracea, Monistria discrepans, morabine sp.
to 25ft, Melaleuca sp. to 10ft, Casuarina
P8, Propsednura eyrei
sp. to 6ft, Dodonaea sp., Eremophila sp. to 3ft,
Westringia rigida
bottle-brush & a leguminous shrub to 1ft,
Lepidosperma sp.
Propsednura sedge to 18in. sparse grasses.

666.2. Jumana Rock.

670.2. Undulating, with fine white

Goniaea australasiae, G. opomaloides;
sand & bits of surface limestone. Mallee
Cirphula jungi, Apotropis vittata, Perpubia a few
dense to 12 ft, with Melaleuca sp. & other
sp. 5 (j.); morabine sp. P8.
microphyllous shrubs to 3ft.

671.1. Intersection. Sandplain heath
Urnisa rugosa, Exarna includens (j.), Genus nov.
on low rise. White sand. Many
12 sp. 1, Cirphula sp. 2 (j.), Peakesia brunnea,
species of heath plant to 1ft, with mallee
Miercola sp. 2, morabine sp. P6, Propsednura eyrei.
well spaced to 6ft. Took road to Israelite Bay.
13/11
673.4 Whitish sand plain to S. of Mt.
Genus nov. 12 sp. 1. Genus nov. 95 ochracea,
Ragged. Heath 1–2ft, somewhat reduced
Exarna includens (j.); Peakesia brunnea; Goniaea
species composition, considerable
vocans; morabine
Callitris sp. to 5ft.
sedges, mallee well spaced to 8ft, (
spp. P6, P119, Propsednura eyrei
Tympanophora males collected at
Return.
night by stridulation, ♀ in shrubs.)

673.9. Summit & lower slopes of a low
Coryphistes ruricola, Cirphula sp. 2, Peakesia
spur extending S. from Mt. Ragged.
brunnea, Goniaea opomaloides, Monistria
Large rocks on summit & slopes, with
latevittata, Genus nov. 12 sp. 1, Urnisa rugosa,
mallee & large shrubs to 8ft, leading to
morabine spp. P6, P119.
heath & low mallee on lower slopes
as at 673.4. Monistria on a Melaleuca
or Leptospermum to 2ft.

675.2. More sandy than 673.4, largely

different species but structure similar,
Cirphula sp. 2, Peakesia Dryandra nobilis brunnea,
but with a serrate-leafed Banksia to
morabine sp. P6, Propsedmura eyrei
8ft + mallee to 6ft, both spaced.

675.6 = 671.1. Continued on Esperance road.

677.1 Bend right.

680.1 Trig. R279.

684.9. Gentle undulations of pale brown
Peakesia brunnea, Cirphula sp. 2, morabine
sand, with spaced mallee to 5ft + mixed
spp. P6; P9
heath shrubs 1-3ft.

695.0 Undulating sand plain with white
Peakesia brunnea; Cirphula sp. 2 (j.), Genus nov. 25
sand. Heath with very numerous spp.,
sp. 1; Lepidosperma sp. morabine spp. P6, P119;
incl. Propsedmura sedge, occ. Banksia
Poedma rdana (j.)
sp. + mallee to 5ft.

705.0. Road in from left.

705.2. Nearly level sandplain with white
Ecarma includens (j.)
sand. Heath to 1ft, with Xanthorrhoea frequent to 3ft, mallees very occ. to 3ft, occ. other shrubs to 3ft. Propsedmura sedge + other sedges.

712.7. Turned left.

716.2 T-junction. Turned left.

721.3. Thomas River.

721.5 Camp.

14/11

721.5. Depart S for coast. morabine sp. P6.

725.4. End of road at mouth of Thomas R. Return.

725.6. Undulating white sand, with
~~[illegible]~~ Dryandra nobilis Peakesia brunnea,
spaced ~~Banksia~~ / to 5ft, Xanthorrhoea
Coryphistes ruricola, morabine sp. P119, Psedna nana,
numerous to 2ft, mixed microphyllous
Propsednura eyrei Lepidosperma sp.
shrubs to 1ft, with Propsednura sedge.

Both spp. of Propsednura (eyrei + nana) on same individual plant.

729.2. = 721.5

729.4 = 721.3.

734.5 = 716.2. Continued along southern road to Esperance.

735.1. Dam on right.

737.2. Creek.

738.1. Bend right

738.5 Creek.

740.6 Flat. Compacted pale grey humus
Peakesia brunnea
podsol (?). Depauperate heath to 1ft.
with scattered mallee to 3ft. Exarna
(j.)

741.6. Road off to right

743.1 Creek

743.9. Creek & dam.

~~750~~ 745.0 Dam

746.8 Cross road.

750.6 Creek.

751.2 Creek. Collected on rise immediately
Urnisa rugosa, Coryphistes ruricola, Cirphula sp.2
to west. Pale grey, sandy, somewhat
compacted soil, with heath shrubs 1-2
ft; occ. mallee to 4ft, Christmas bush
Lepidosperma sp.
scattered to 7ft, Propsednura sedge occ.

752.1 Diagonal road crossing.

753.3 Fence.

753.8. Hill to R.

754.9 Fence on left.

759.4. Cross roads (Duke of Orleans Bay to
L).

766.0 Road in from R. ~~Gently~~ Flat, white
Peakesia brunnea, Genus nov. 25 sp. 1, Genus nov.
sand. Mixed heath to 2-3ft, with scattered
12 sp. 1, morabine sp. P119, Propsednura mainly eyrei
Christmas bush to 6ft. Propednura on
a thin-stemmed cyperaceous plant
Mesomelaena tetragona (R.Br.) Benth.
(spec.). Some Xanthorrhoea, mostly to
2ft.

773.3. T-junction. Turned left.

773.9. Turn-off to Dunn's Rock.

777.1 Gentle slope with white sand.
Genus nov. 25 sp. 1, Peakesia brunnea, Urnisa
Dense heath to 2ft with Xanthorrhoea
rugosa, Genus Dryandra nobilis nov. 12 sp. 1 (j.),
to 4ft & less, ~~small-leafed Banksia~~
Propsednura eyrei, Psednura nana
thicket on one side to 12ft. Propednura
Lepidosperma sp. Mesomelaena tetragona
on usual sedge & another thinner one *
(same as last sample).

777.5 Disused road off to left.

778.5 Road off to Cape le Grand to left.

781.4. Road in from R

784.5. Road in from L.

787.3. Creek.

788.6. Slight rise with pale grey sand.
Heath to 2ft, with scattered Xanthorrhoea

Peakesia brunnea; (Nuytsia) genus nov., 12 sp. 1;
to 5ft & Christmas Bush to 6ft. Propseduura
Lepidosperma sp. Exarna includens (j.), morabine sp. P6;
sedge & other sedges. Psednura nana

800.1 Esperance. Return.

810.1 Camp. Margin of shallow watercourse
Peakesia brunnea, Psednura nana Dryandra,
bearing sedges, leading to a ~~Banksia~~
thicket to 10ft, with a dense growth
of a mauve Melaleuca & a few other occ.
shrubs to 3ft between. Pale grey
sand. A short regrowth of shrubs &
Lepidosperma sp.
Propseduura sedge on a small cleared
area.

15/11

819.9. Esperance depart.

827.2. Turned off for Ravensthorpe.

830.6. Modified heath to 2ft on pale grey;
Cirphula sp. 2, Urnisa rugosa, Peakesia brunnea;
somewhat hummocky soil, apparently
Austroicetes? Dryandra vulgaris(?)(j.), Phaulacridium
rolled from ~~Banksia~~ of some height;
vittatum (j.), Exarna includens (j.), Paratettix
Exarna includens (j.). Tetrigids in slight
biplagiatus, morabine sp. P6 (j.)
depressions & in table drain, Praul in
latter.

837.5. Caitup Creek.

843.4 Dalyup.

843.8 Dalyup River.

844.4 Pale grey soil on flat. with heath
Peakesia brunnea, Propsedunea eyrei
to 2-3ft & patches tall shrubs to 10ft,
occ. Christmas tree to 8ft, Occ. Propsedunea
Lepidosperma sp.
sedge & other sedges.

845.8. Dalyup R, west Branch.

852.1 Cross roads.

854.8 Road off to L

857.9 Cross roads (Coomalbidgup)

Exarrna includens (j.), Cirpluea sp. 2,
859.4. ~~the~~ Pale grey sand on flat. Heath
Peakesia brunnea, Genus nov. 12 sp. 1,
to 2-3ft, with patches tall shrubs with
moralina sp. P6 c̄ Lambertia inermis
orange flowers to 8ft.

861.8. Cross roads.

864.4 Lort River.

870.4 Young River.

871.3. Top of substantial rise with pale
Peakesia brunnea.
brown, compact soil with abundant
brown lateritic gravel av. diam. ½ in.
Straggly mallees. incl. mallee "rose" to 10ft,
Lepidosperma sp.
with mixed heath to 2-3ft + Props. sedge

875.8 Road off to R.

876.2. Lake on R.

878.1. Road off to L

879.5 Road off to L

884.8. Road off to R.

886.0. Road off to L

888.1. Munglinup River.

888.8. Munglinup.

913.8. Rabbit-proof fence.

914.7. Turned round.

915.4. Rabbit-proof fence.

918.9. Turned round

922.2. Turned round

923.2 Camp.

16/11.

923.2. Flat with white sand. Heath
(incl. 2 spp. of Casuarina)
to 2–3 ft with taller shrubs & scattered
Peakesia brunnea, Cirphula sp. 2, Genus nov. 12
mallees to 10 ft. Scattered cyperaceae
sp. 1, morabine spp. P6, P119, Propsednura eyrei
(not Props. sedge). ~~[illegible] back~~

924.6. Rabbit-proof fence. Turned right along fence

925.8 Bend R.

928.8. Bend L

930.7. Cross roads.

932.6. Mallee to 10ft on gently
undulating, slightly compacted white
sand, with a depauperate heath to 2ft,
largely composed of Melaleuca sp. A
little lateritic gravel.

942.0. Top of low rise, with compact
Cirphula sp. 2, Goniaea sp. (j.); Peakesia brunnea,
pale brown soil + some lateritic gravel.
morabine spp. P6, P119, Propsednura eyrei
Mallee (at least 3 spp.) to 8ft well spaced,
with mixed heath, mainly < 1ft.
occupying most of surface. Morabines
abundant on heath shrubs. A little
Lepidosperma sp.
Props. sedge.

942.6 Bend R.

944.7 Bend L

948.1 Bend R.

Coryphistes ruricola, Peakesia brunnea,
1948.2 Road to Peters Soak on right.
Urnisa rugosa, Cirphula sp. 2, Monistria
[illegible] Mallee to 8ft on pale compact
latevittata (j.), M. sp. 2 (j.), Cedarinia sp. 2, Goniaea
coarse sandy loam on flat. Heath vocans
one shrub resembling wattle-bush. Genus
understorey to 1-2 ft, with some sedges,
nov. 4 B sp. 3, morabine sp. P119, Propsednura eyrei
Continued on Peters Soak road.

949.0 Turned round.

949.8 = 948.2.

973.3 = 924.6

974.6 = 923.2 Continued towards Esperance.

979.3 Road off to right.

Peakesia brunnea, Urnisa rugosa, Cedarinia
983.6. Flat with somewhat compacted
sp. 2, Cirphula sp. 2, Genus nov. 12 sp. 1
pale grey sandy soil. Orange-flowered
Lambertia inermis
shrub in patches to 8ft, with occ. mallee
to 7ft, heath 2-3ft, v. occ. Christmas
tree to 6ft.

986.5. Oldfield River.

989.8 Road off to R.

992.7. Gentle slope near top of major
Genus nov. 12 sp. 1, Goniaea vocans (♀), Cirphula
rise, with compact brown soil & brown
sp. 2, Peakesia brunnea, Apotropis vittata, Urnisa
lateritic gravel av. diam. ½ in. Mallees
rugosa, Coryphistes ruricola, morabine spp. 6, 119;
(at least 2 spp.) to 10ft spaced, with broombush
Propsednura eyrei
& a broom-like Acacia to 4ft, heath
shrubs to 1ft, incl. a bottle-brush-like
Lepidosperma sp.
sp., Props. sedge, a little grass.

994.3. Crest of rise. Road off to L.

999.1 Munglinup River.

20002.4 Road off to L.

003.4 ~~Ch~~ near summit of rise, with
Lambertia inermis
Christmas tree, orange-flowered shrub,
+ mallee all to 8ft, with heath 2-3
ft, scattered sedges + grasses. Excama.

011.0. Lake on L

011.4 Road off to L

059.7. Junction with Norseman–Esperance
road. Turned left.

065.8. Turned left.

066.6 Turned round
= 65.8

067.3 Back on main road. Turned left

067.8. Return.

069.7 = 067.8

072.6 Camp, Gibson's Soak.

17/11.
Excama includens (J.) Genus nov. 25 sp. 1.
072.6. Flat, with white sand. Serrate
Dryandra nobilis Lindl. Lambertia inermis R.Br.
Banksia (spec.) + orange-flowered shrub
dense Peakesia truncata, Unnisa rugosa,
(spec.) to 12ft, with heath understorey
Cirphula sp. 2, moraltine sp. P6. Lepidosperma sp. Brachypterous
to 2-3ft. Propsed. sedge. Macrotona-like
genus.

072.9. Gibson's Soak, depart.

079.5 Fleming Grove turn off to right.

083.9. Flat with compact brown sandy loam. Mallee to 10 ft. dense with understorey of depauperate heath, mainly Melaleuca sp. to 2-3 ft. Austroicetes frater.

Peakesia brunnea, Cirphula sp. 2, Urnisa rugosa, Genus nov. 95 ochracea

089.5. Scaddan.

095.8. Slight slope with brown compact sandy loam. Mallee well spaced to 12 ft, dense understorey of Casuarina sp., Callitris sp., Melaleuca spp., all to 5 ft, Melaleuca spp. to 1 ft, Props. sedge occ., a little bare ground. Lake ahead on right.

Lepidosperma sp.

Coryphistes ruricola, Genus nov. 25 sp. 1, Peakesia brunnea, Cirphula sp. 2, Monistria latevittata (?) (j.), M. sp. 2 (j.), morabine sp. P8.

097.6 Truslove.

105.4. Grass Patch.

108.0. Flat with pale brown fine sandy loam & some limestone concretions. Mallee to 15 ft fairly dense, with Melaleuca spp. (3) to 8 ft & lower, Olearia sp. & Acacia spp. (3) to 1 ft, Eremophila sp. (green broom-like) to 5 ft. Also cleared along railway, with

Austroicetes frater, A. pusilla, Macrotona sp. 26

Danthonia
[grass tussocks to 1ft + bare ground. All
ghoppers in latter.

108.6 Bend L

116.8. Circle Valley.

120.1. Gentle undulations with pale brown fine sandy loam. Mallee to 10ft with Melaleuca spp. (ca. 4), Leptospermum sp., other Myrtaceae, + Grevillea sp. all to 3ft, Olearia sp., Acacia spp. + other shrubs, incl. a samphire-like succulent, to 1ft.
no Acridoidea.

123.4. Salmon Gums

130.3. Rlwy Sta. Dowak.

133.2. Top of low rise, with pale brown
Austroicetes frater, A. pusilla
sandy loam. Euc trees + mallee to 20ft with Melaleuca spp., Olearia sp., + other shrubs to 3ft. Also Danthonia sp. to 1ft along cleared railway. No Acridoidea.

137.8. Kumarl

141.0. Bend R.

144.7. ~~Eu~~ Flat with pale brown fine
Coryphistes ruricola
sandy loam. Euc trees + mallees to 40ft with Melaleuca sp. to 12ft. Cratylo-

stylis to 3ft abundant, with Atriplex vesicaria equally so to 2ft. Much bare ground, with lichens.

148.8. Bend right.

149.6. Road to Ravensthorpe off to L.

150.4. Bend R

153.1 Daniell

158.0. Railway crossing .

155.3. Top of rise with red-brown sandy
Urnisa guttulosa, Pycnostictus seriatus,
loam. Eucs to 20ft with Melaleuca sp. &
Austroicetes frater, A. pusilla, A. arida,
Acacia sp. to 15ft, Eremophila spp. (2)
Qualetta maculata
to 4ft, leading to a flattish granite rock
exposure with very short grass & forbs
bounding it. Litter under eucs,
much bare ground, lichens.

164.3. Double bend.

166.4. Lake on R,

169.6. Flat, brown sandy loam. Euc trees
Goniaea australasiae
& mallee to 40ft, with Melaleuca sp. to
8ft, Eremophila sp. (silver broom) occ. to 5ft,

+ Acacia sp. conocephala

Eremophila sp. to 2ft. Cratystylis to

3ft.

169.9. Bend L.

176.4. Turned round.

205.1 Turned off on Ravensthorpe Rd.

206.8 Camp. Slight slope + adjacent
Coryphistes ruricola, Pespulia sp. 5, Porraxia
flat leading down to shore of salt
sp. 2 (j.), morabine sp. P8, Propsednura eyrei
lake, with brown fine sandy loam.

Euc trees + mallee to 40ft, with Acacia
+ Callitris sp.
sp. to 10ft, Eremophila sp., Melaleuca sp.;
+ other shrubs, all
quondong, Cassia sp. to 4ft, Craty-
conocephala
stylis + another shrub to 3ft, Acacia

sp. to 1ft, Triodia on slope, along with
Lepidosperma tuberculatum Nees
large masses of Props. sedge to 18in

(spec.)

18/11.

206.8. Depart on return.

210.6. Rejoin Norseman - Esperance road.